ABSTRACT

There is described a method and apparatus for coating a inorganic-organic hybrid polymer substrate with an 5 material. The method concerns generating and maintaining a plasma according to the Dielectric Barrier Discharge (DBD) technique, said method comprising the steps of introducing a sample in the space between two electrodes, generating a plasma discharge between the electrodes and admixing 10 aerosols containing hybrid organic/inorganic cross-linked pre-polymers to the plasma discharge. There is also described an apparatus for generating the plasma and admixing the liquid coating material (precursor solution) in the form of aerosol to the plasma discharge.

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